(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 30 June 2005 (30.06.2005)

PCT

(10) International Publication Number WO 2005/058499 A1

(51) International Patent Classification⁷: 37/03, 19/00

B01J 37/32,

(21) International Application Number:

PCT/EP2004/013145

(22) International Filing Date:

19 November 2004 (19.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

103 57 339.9

9 December 2003 (09.12.2003) DE

(71) Applicant (for all designated States except US): DE-GUSSA AG [DE/DE]; Bennigsenplatz 1, 40474 Düsseldorf (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MAYER, Ralf [DE/DE]; In der Mainaue 2, 63477 Maintal (DE). FISCHER, Achim [DE/DE]; Willigisstrasse 9, 63739 Aschaffenburg (DE). WOLF, Dorit [DE/DE]; Camp-King-Allee 8, 61440 Oberursel (DE). KOHLE, Norbert [DE/DE]; Erich-Bauer-Strasse 10, 65439 Flörsheim (DE). DINGERDISSEN, Uwe [DE/DE]; Weedring 66, 64342 Seeheim (DE).

(74) Common Representative: DEGUSSA AG; Intellectual Property Management, PATENTE und MARKEN, Standort Hanau, Postfach 13 45, 63403 Hanau (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR).

Declaration under Rule 4.17:

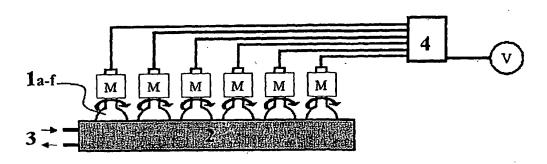
— of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS AND DEVICE FOR THE PREPARATION OF INORGANIC MATERIALS



(57) Abstract: Process and device for the preparation of inorganic materials, in which salt solutions and solids are mixed with one another and a solid is precipitated out by addition of a further salt solution, the suspension is frozen and the solvent is removed. The solid can be investigated for its catalytic properties.